

### AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

#### Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Currently Amended) A method for detecting cholesterol in a living cell including distribution of the cholesterol in the cell, comprising contacting up to 2.0  $\mu$ M of a labeled polyethylene glycol cholesteryl ether with [[a specimen]] the living cell to bind with cholesterol present in the living cell, determining the presence and distribution of the labeled polyethylene glycol cholesteryl ether bound to cholesterol, and detecting for confirming the presence of cholesterol and distribution in the sample living cell based upon the determining of the presence and distribution of labeled polyethylene glycol cholesteryl ether bound to cholesterol.
4. (Previously Presented) The method for detecting cholesterol according to claim 3 wherein the polyethylene glycol cholesteryl ether is labeled with an affinity substance.
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)

9. (Previously Presented) The method for detecting cholesterol according to claim 3 wherein the polyethylene glycol cholesteryl ether is labeled with a fluorescent substance.

10. (Currently Amended) The method for detecting cholesterol according to claim 3 wherein the ~~detecting for~~ confirming the presence and distribution of cholesterol comprises qualitative ~~detection~~ determination of the cholesterol.

11. (Currently Amended) The method for detecting cholesterol according to claim 3 wherein the ~~detecting for~~ confirming the presence and distribution of cholesterol comprises quantitative ~~detection~~ determination of the cholesterol.

12. (Canceled)

13. (Canceled)

14. (Currently Amended) The method for detecting cholesterol according to claim 4 wherein the ~~detecting for~~ confirming the presence of cholesterol and distribution comprises qualitative ~~detection~~ determination of the cholesterol.

15. (Currently Amended) The method for detecting cholesterol according to claim 4 wherein the ~~detecting for~~ confirming the presence and distribution of cholesterol comprises quantitative ~~detection~~ determination of the cholesterol.

16. (Canceled)

17. (Canceled)

18. (Currently Amended) The method for detecting cholesterol according to claim 3 wherein the ~~detecting for presence of~~ cholesterol comprises ~~detecting~~ free cholesterol.

19. (Currently Amended) The method for detecting cholesterol according to claim 3 wherein the ~~detecting for presence of~~ cholesterol comprises ~~detecting~~ cellular cholesterol.

20. (Previously Presented) The method for detecting cholesterol according to claim 4 wherein the affinity substance comprises biotin.

21. (Previously Presented) The method for detecting cholesterol according to claim 4 wherein the affinity substance comprises digoxigenin.